



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
02.02.2000 Bulletin 2000/05

(51) Int. Cl.⁷: **H03H 2/00**

(43) Date of publication A2:
15.04.1998 Bulletin 1998/16

(21) Application number: **97117510.4**

(22) Date of filing: **09.10.1997**

(84) Designated Contracting States:
**AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
NL PT SE**

(72) Inventor: **Umegaki, Toshihito
Nagaokakyo-shi, Kyoto-fu (JP)**

(30) Priority: **11.10.1996 JP 28932596**

(74) Representative:
**Schoppe, Fritz, Dipl.-Ing. et al
Schoppe, Zimmermann & Stöckeler
Patentanwälte
Postfach 71 08 67
81458 München (DE)**

(71) Applicant:
**MURATA MANUFACTURING CO., LTD.
Nagaokakyo-shi Kyoto-fu 226 (JP)**

(54) **Magnetostatic-wave device**

(57) A magnetostatic-wave device includes a dielectric substrate (12) on which parallel first electrically conductive lines are formed. A magnetostatic-wave device (18) formed of a gadolinium-gallium-garnet (GGG) substrate (20) on which yttrium-iron-garnet (YIG) thin films (22a, 22b) are formed is disposed on the first electrically conductive lines. Crossed second electrically conductive lines (24a-24d) are formed on a YIG

thin film (22b). Lands (16a-16h) are formed at both ends of these electrically conductive lines and are connected to each other with bonding wire (28) to form one electrically conductive line. Input and output ends are formed between both ends of this electrically conductive line and the ground.

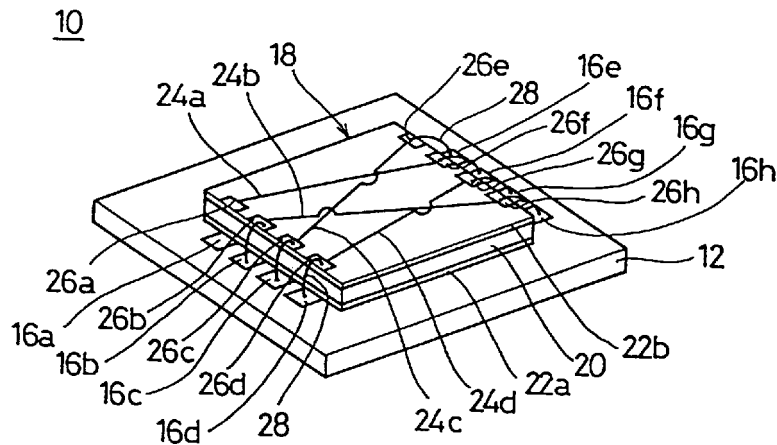


FIG. 1



European Patent Office

EUROPEAN SEARCH REPORT

Application Number
EP 97 11 7510

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	EP 0 713 290 A (MURATA MANUFACTURING CO) 22 May 1996 (1996-05-22) * column 9, line 17 - column 12, line 17; figures 13-17 *	1,4,5,7, 8	H03H2/00
A	--- PATENT ABSTRACTS OF JAPAN vol. 1995, no. 10, 30 November 1995 (1995-11-30) & JP 07 193408 A (TDK CORP), 28 July 1995 (1995-07-28) * abstract * -----	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			H03H
Place of search		Date of completion of the search	Examiner
THE HAGUE		14 December 1999	Coppieters, C
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03/82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 97 11 7510

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

14-12-1999

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0713290 A	22-05-1996	CN 1126890 A	17-07-1996
		JP 8242105 A	17-09-1996
		US 5781079 A	14-07-1998

JP 07193408 A	28-07-1995	NONE	
